



A.D. 1767 N^o 880.

S P E C I F I C A T I O N

OF

ALEXANDER BRODIE

AND

RICHARD WILLIAMS.

FIRE STOVE AND REGISTER.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE QUEEN'S PRINTING OFFICE, EAST HARDING STREET,
NEAR FLEET STREET.

Price 3d.

1854.



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Fire Stove and Register.

BRODIE AND WILLIAMS' SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, ALEXANDER BRODIE, of the Parish of Saint Clement Danes, in the County of Middlesex, Gentleman, sends greeting.

WHEREAS the said Alexander Brodie and Richard Williams, of the same
5 Parish, Gentleman, did, by their petition, humbly represent unto His present
most Excellent Majesty King George the Third, that they had, by great study,
application, and labour, discovered, invented, and brought to perfection “ A NEW
AND PECULIAR METHOD OF MAKING FIRE STOVES AND REGISTERS WHICH WOULD REMEDY
ALL OR MOST OF THE IMPERFECTIONS AND INCONVENIENCES HERETOFORE ATTENDING THEM
10 WITH RESPECT TO HEAT AND OTHERWISE, AND WHICH REGISTER, WITH A LITTLE VARIA-
TION IN ITS MODEL, BUT STILL PRESERVING THE SAME PRINCIPLE, MIGHT BE USED APART
FROM THE STOVE, AND APPLIED TO OTHER ADVANTAGEOUS PURPOSES,” that as such stove
and register jointly or apart would be of infinite publick utility and preferable
to any hitherto made, as they apprehended, and as they were the sole inventors
15 and contrivers of the same, they therefore most humbly prayed His said Majesty
that He would be graciously pleased to grant unto them, their executors,
administrators, and assigns, His royal Letters Patent under His Great Seal of
Great Britain, for the sole making and exercising their said new Invention
with respect to the said stove and register, jointly or apart, within that part of
20 Great Britain called England, His Dominion of Wales, and Town of Berwick
upon Tweed, for the term of fourteen years, according to the statute in that case
made and provided: His said Majesty being willing to give encouragement to all
arts and inventions which might be for the publick good, was graciously pleased
to condescend to their request, and therefore, by His Royal Letters Patent
25 bearing date at Westminster, the Fourteenth day of July, in the seventh year of
His reign, of His especial grace, certain knowledge and meer motion, for Himself,

Brodie and Williams' Improvements in Fire Stoves and Registers.

His heirs and successors, did give and grant unto them, the said Alexander Brodie and Richard Williams, their executors, administrators, and assigns, His especial licence, full power, sole privilege and authority, that they, the said Alexander Brodie and Richard Williams, their executors, administrators, and assigns, and every of them, by themselves, or by their deputy or deputies, 5 servants or agents, or such others as they, the said Alexander Brodie and Richard Williams, their executors, administrators, or assigns, should at any time agree with and no others, from time to time and at all times thereafter during the term of years therein expressed, should and lawfully might make, use, exercise, and sell their said Invention, with respect to the said stove and register, 10 jointly or apart, within that part of His said Majesty's Kingdom of Great Britain called England, his Dominion of Wales, and Town of Berwick upon Tweed, in such manner as to them, the said Alexander Brodie and Richard Williams, their executors, administrators, or assigns, or any of them, should in their discretion seem meet; and that they, the said Alexander Brodie and Richard 15 Williams, their executors, administrators, and assigns, should and lawfully might have and enjoy the whole profit, benefit, commodity, and advantage from time to time coming, growing, accruing, and arising by reason of the said Invention, for and during the term of years therein mentioned, to have, hold, exercise, and enjoy the said licence, powers, privileges, and advantages therein-before granted or 20 mentioned to be granted unto them, the said Alexander Brodie and Richard Williams, their executors, administrators, and assigns, for and during and unto the full end and term of fourteen years from the date of the said Letters Patent next and immediately ensuing, and fully to be compleat and ended according to the form of the statute in such case made and provided, in which 25 said Letters Patent is contained a proviso, that if they, the said Alexander Brodie and Richard Williams, or one of them, should not particularly describe and ascertain the nature of their said Invention, and in what manner the same is to be performed, by an instrument in writing under their hands and seals, or the hand and seal of one of them, and cause the same to be inrolled in His 30 said Majesty's High Court of Chancery within four kalendar months from the date of the said Letters Patent, then the said Letters Patent, and all liberties and advantages whatsoever thereby granted should utterly cease, determine, and become void, anything therein-before contained to the contrary thereof in any-wise notwithstanding, as in and by the said Letters Patent (relation being 35 thereunto had) more fully and at large appears.

NOW KNOW YE, that in compliance with the said proviso, he, the said Alexander Brodie, doth hereby describe and ascertain the nature of the said Invention, and in what manner the same is to be performed, as follows (that is to say):—

Brodie and Williams' Improvements in Fire Stoves and Registers.

The stove is constructed of iron or brass, but iron is preferable in the corners towards the back, either with circular or obtuse angles to lessen the consumption of coals, suited with a sliding bottom that moves on rollers to let the fire fall on the hearth on its being drawn out, at the inner end of which
5 bottom is a door contrived to fall on drawing out the bottom for creating a current of air to carry off the smoke and dust made on the coals falling upon the hearth, and to shut it again on pushing in the bottom to divert the said current of air and make it pass through the fire; under this sliding bottom may be also another of the same kind which will draw out in the same manner
10 as the other, but without letting the fire or the door within to fall as the other does, and only calculated to supply the place of a rest or footman to put the tea kettle on, or other purposes of that kind. The register, which may be made of iron or brass, but iron is preferable, is fixed a little above the stove by way of valve, suited to a frame made of any shape or degree of proportion that the
15 size and form of the chimney may require, which valve or register is elevated or depressed by means of a male and female screw pressed upon the fulcrum of a lever or retracted from it, and guided to or from the same by a box either with or without friction wheels or rollers; and also to the lever door or frame are fixed one, two, or more friction wheels or rollers; the screws are made to
20 turn either to the right or left by means of an handle or winch made of any form, and in some cases, to give the screw more power, on the lever are fixed one, two, or more small wheels and pinions. This register may also be applied to bedsteads for the conveniency of sick and ailing people, by only omitting the valve part thereof and supplying its place by about one-third part of the
25 framing of the bed being divided from the other two-thirds, and again fixed together with hinges or joints, so that it may be elevated or depressed in the same manner as the valve of the register, and thereby change the posture of the ailing person from a lying to a sitting state, or vice versa.

In witness whereof, he, the said Alexander Brodie, hath hereunto set his
30 hand and seal, the Twenty-ninth day of October, in the *seventh* year of the reign of our Sovereign Lord George the Third, by the Grace of God of Great Britain, France, and Ireland, King, Defender of the Faith, and so forth, and in the year of our Lord One thousand seven hundred and sixty-seven.

ALEXANDER BRODIE. (L.S.)

35 Signed and sealed (being first duly
stampd) in the presence of us,

SAM^l COOPER, Temple.

W^m BOUSTEAD.

Brodie and Williams' Improvements in Fire Stoves and Registers.

ANGUSH.

AND BE IT REMEMBERED, that on the said Twenty-ninth day of October, in the eighth year of the reign of His Majesty King George the Third, the aforesaid Alexander Brodie came before our said Lord the King, in his Chancery, and acknowledged the writing aforesaid, and everything therein contained and specified in form above said, and the said writing was stampd according to the Statute made in the sixth year of the reign of the late King William and Queen Mary, and so forth. 5

Inrolled the Thirtieth day of October, One thousand seven hundred and sixty-seven.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1854.